

District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Rd., Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Submit one copy to appropriate District Office

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

|                                                                                                      |                                                        |                                                                    |                                  |
|------------------------------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------|----------------------------------|
| <sup>1</sup> Operator name and Address<br>CONOCOPHILLIPS COMPANY<br>P.O. BOX 2197, HOUSTON, TX 77252 |                                                        | <sup>2</sup> OGRID Number<br>217817                                |                                  |
|                                                                                                      |                                                        | <sup>3</sup> Reason for Filing Code/ Effective Date<br>RT/ 1/26/21 |                                  |
| <sup>4</sup> API Number<br>30 – 025-44233                                                            | <sup>5</sup> Pool Name<br>ZIA HILLS; WOLFCAMP          |                                                                    | <sup>6</sup> Pool Code<br>98081  |
| <sup>7</sup> Property Code<br>320074                                                                 | <sup>8</sup> Property Name<br>ZIA HILLS 19 FEDERAL COM |                                                                    | <sup>9</sup> Well Number<br>106H |

II. <sup>10</sup> Surface Location

| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South Line | Feet from the | East/West line | County |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| 2             | 19      | 26S      | 32E   |         | 2627          | NORTH            | 463           | WEST           | LEA    |

<sup>11</sup> Bottom Hole Location

| UL or lot no.               | Section                                     | Township                             | Range                             | Lot Idn | Feet from the                      | North/South line | Feet from the                       | East/West line | County |
|-----------------------------|---------------------------------------------|--------------------------------------|-----------------------------------|---------|------------------------------------|------------------|-------------------------------------|----------------|--------|
| 2                           | 31                                          | 26S                                  | 32E                               |         | 50                                 | SOUTH            | 330                                 | WEST           | LEA    |
| <sup>12</sup> Lse Code<br>F | <sup>13</sup> Producing Method<br>Code<br>F | <sup>14</sup> Gas Connection<br>Date | <sup>15</sup> C-129 Permit Number |         | <sup>16</sup> C-129 Effective Date |                  | <sup>17</sup> C-129 Expiration Date |                |        |

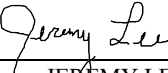
III. Oil and Gas Transporters

| <sup>18</sup> Transporter<br>OGRID | <sup>19</sup> Transporter Name<br>and Address | <sup>20</sup> O/G/W |
|------------------------------------|-----------------------------------------------|---------------------|
| 14021                              | MARATHON                                      | O                   |
|                                    |                                               |                     |
| 174238                             | ENTERPRISE                                    | G                   |
|                                    |                                               |                     |
|                                    |                                               |                     |
|                                    |                                               |                     |
|                                    |                                               |                     |
|                                    |                                               |                     |

IV. Well Completion Data

|                                    |                                      |                                    |                              |                                               |                              |
|------------------------------------|--------------------------------------|------------------------------------|------------------------------|-----------------------------------------------|------------------------------|
| <sup>21</sup> Spud Date<br>1-15-20 | <sup>22</sup> Ready Date<br>12-31-20 | <sup>23</sup> TD<br>5-14-20        | <sup>24</sup> PBDT<br>22,070 | <sup>25</sup> Perforations<br>12,118 – 21,977 | <sup>26</sup> DHC, MC<br>N/A |
| <sup>27</sup> Hole Size            |                                      | <sup>28</sup> Casing & Tubing Size |                              | <sup>29</sup> Depth Set                       | <sup>30</sup> Sacks Cement   |
| 17.5”                              |                                      | 13.375”                            |                              | 1189’                                         | 1496 SXS                     |
| 12.25”                             |                                      | 9.625”                             |                              | 11,593’                                       | 2670 SXS                     |
| 8.5”                               |                                      | 5.5”                               |                              | 22,049                                        | 4510 SXS                     |
|                                    |                                      |                                    |                              |                                               |                              |

V. Well Test Data

|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                         |                                       |                             |                             |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------|-------------------------|---------------------------------------|-----------------------------|-----------------------------|
| <sup>31</sup> Date New Oil                                                                                                                                                                                                                                                                                                                                                                                                                                | <sup>32</sup> Gas Delivery Date | <sup>33</sup> Test Date | <sup>34</sup> Test Length             | <sup>35</sup> Tbg. Pressure | <sup>36</sup> Csg. Pressure |
| <sup>37</sup> Choke Size                                                                                                                                                                                                                                                                                                                                                                                                                                  | <sup>38</sup> Oil               | <sup>39</sup> Water     | <sup>40</sup> Gas                     |                             | <sup>41</sup> Test Method   |
| <sup>42</sup> I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.<br>Signature: <br>Printed name: JEREMY LEE<br>Title: REGULATORY COORDINATOR<br>E-mail Address: JEREMY.L.LEE@COP.COM<br>Date: 1/26/21      Phone: 832-486-2510 |                                 |                         | OIL CONSERVATION DIVISION             |                             |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                         | Approved by: KURT SIMMONS             |                             |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                         | Title: NM OCD, Santa Fe               |                             |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                         | Approval Date: 04/22/2021             |                             |                             |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                 |                         | RT C-104 EXPIRES 07/21/2021 (90 DAYS) |                             |                             |

District I  
1625 N. French Dr., Hobbs, NM 88240  
Phone: (575) 393-6161 Fax: (575) 393-0720  
District II  
811 S. First St., Artesia, NM 88210  
Phone: (575) 748-1283 Fax: (575) 748-9720  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
Phone: (505) 334-6178 Fax: (505) 334-6170  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505  
Phone: (505) 476-3460 Fax: (505) 476-3462

State of New Mexico  
Energy, Minerals & Natural Resources Department  
OIL CONSERVATION DIVISION  
1220 South St. Francis Dr.  
Santa Fe, NM 87505

Form C-102  
Revised August 1, 2011  
Submit one copy to appropriate  
District Office  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

|                                         |  |                                                        |  |                                               |                                   |
|-----------------------------------------|--|--------------------------------------------------------|--|-----------------------------------------------|-----------------------------------|
| <sup>1</sup> API Number<br>30-025-44233 |  | <sup>2</sup> Pool Code<br>98081                        |  | <sup>3</sup> Pool Name<br>Zia Hills; Wolfcamp |                                   |
| <sup>4</sup> Property Code<br>320074    |  | <sup>5</sup> Property Name<br>ZIA HILLS 19 FEDERAL COM |  |                                               | <sup>6</sup> Well Number<br>106H  |
| <sup>7</sup> OGRID No.<br>217817        |  | <sup>8</sup> Operator Name<br>ConocoPhillips Company   |  |                                               | <sup>9</sup> Elevation<br>3178.2' |

<sup>10</sup> Surface Location

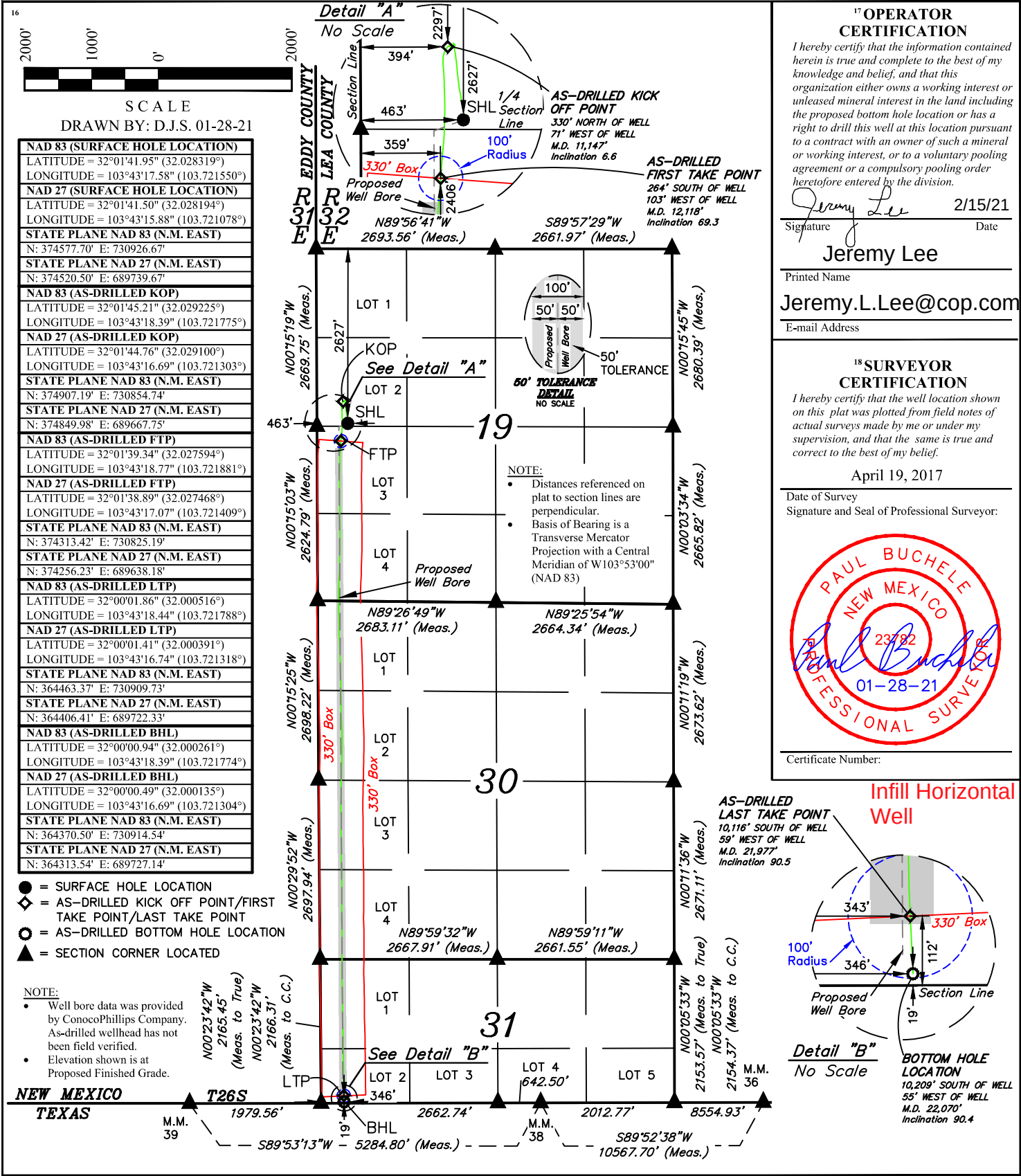
|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 2             | 19      | 26S      | 32E   |         | 2627          | NORTH            | 463           | WEST           | LEA    |

<sup>11</sup> Bottom Hole Location If Different From Surface

|               |         |          |       |         |               |                  |               |                |        |
|---------------|---------|----------|-------|---------|---------------|------------------|---------------|----------------|--------|
| UL or lot no. | Section | Township | Range | Lot Idn | Feet from the | North/South line | Feet from the | East/West line | County |
| 2             | 31      | 26S      | 32E   |         | 19            | SOUTH            | 346           | WEST           | LEA    |

|                                         |                               |                                  |                         |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|
| <sup>12</sup> Dedicated Acres<br>307.42 | <sup>13</sup> Joint or Infill | <sup>14</sup> Consolidation Code | <sup>15</sup> Order No. |
|-----------------------------------------|-------------------------------|----------------------------------|-------------------------|

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



**17 OPERATOR CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.

Signature: *Jeremy Lee* Date: 2/15/21  
Printed Name: Jeremy Lee  
E-mail Address: Jeremy.L.Lee@cop.com

**18 SURVEYOR CERTIFICATION**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.

April 19, 2017  
Date of Survey  
Signature and Seal of Professional Surveyor:  
  
Certificate Number:

**AS-DRILLED LAST TAKE POINT**  
10,116' SOUTH OF WELL  
59' WEST OF WELL  
M.D. 21,977' Inclination 90.5

**AS-DRILLED KICK OFF POINT**  
330' NORTH OF WELL  
71' WEST OF WELL  
M.D. 11,147' Inclination 6.6

**AS-DRILLED FIRST TAKE POINT**  
264' SOUTH OF WELL  
103' WEST OF WELL  
M.D. 12,118' Inclination 69.3

**Bottom Hole Location**  
10,209' SOUTH OF WELL  
55' WEST OF WELL  
M.D. 22,070' Inclination 90.4

**Infill Horizontal Well**

**Detail "B" No Scale**

# **ConocoPhillips MCBU - Permian-Panhandle Gold Data**

Planning - NM East State Zone - 3001

ZIA HILLS 19 Federal Com 106H

ZIA HILLS 19 Federal Com 106H

OH / 65857

Survey: Phoenix MWD Surveys

## **Standard Survey Report**

18 May, 2020

# ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

|                    |                                                                                                                                        |                      |                             |
|--------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------|-----------------------------|
| <b>Project</b>     | Planning - NM East State Zone - 3001, Permian Basin - New Mexico - East/South East, Planning Project for Permian wells in NM Zone 3001 |                      |                             |
| <b>Map System:</b> | US State Plane 1927 (Exact solution)                                                                                                   | <b>System Datum:</b> | Mean Sea Level              |
| <b>Geo Datum:</b>  | NAD 1927 (NADCON CONUS)                                                                                                                |                      |                             |
| <b>Map Zone:</b>   | New Mexico East 3001                                                                                                                   |                      | Using geodetic scale factor |

|                              |                               |                          |                   |
|------------------------------|-------------------------------|--------------------------|-------------------|
| <b>Site</b>                  | ZIA HILLS 19 Federal Com 106H |                          |                   |
| <b>Site Position:</b>        |                               | <b>Northing:</b>         | 374,520.500 usft  |
| <b>From:</b>                 | Map                           | <b>Easting:</b>          | 689,739.670 usft  |
| <b>Position Uncertainty:</b> | 0.00 ft                       | <b>Slot Radius:</b>      | 13-3/16 "         |
|                              |                               | <b>Latitude:</b>         | 32° 1' 41.496 N   |
|                              |                               | <b>Longitude:</b>        | 103° 43' 15.878 W |
|                              |                               | <b>Grid Convergence:</b> | 0.32 °            |

|                             |                               |                            |                                   |
|-----------------------------|-------------------------------|----------------------------|-----------------------------------|
| <b>Well</b>                 | ZIA HILLS 19 Federal Com 106H |                            |                                   |
| <b>Well Position</b>        | <b>+N/-S</b>                  | 0.00 ft                    | <b>Northing:</b> 374,520.500 usft |
|                             | <b>+E/-W</b>                  | 0.00 ft                    | <b>Easting:</b> 689,739.670 usft  |
| <b>Position Uncertainty</b> | 0.00 ft                       | <b>Wellhead Elevation:</b> | ft                                |
|                             |                               | <b>Latitude:</b>           | 32° 1' 41.496 N                   |
|                             |                               | <b>Longitude:</b>          | 103° 43' 15.878 W                 |
|                             |                               | <b>Ground Level:</b>       | 3,178.20 ft                       |

|                  |                   |                    |                        |                      |                            |
|------------------|-------------------|--------------------|------------------------|----------------------|----------------------------|
| <b>Wellbore</b>  | OH / 65857        |                    |                        |                      |                            |
| <b>Magnetics</b> | <b>Model Name</b> | <b>Sample Date</b> | <b>Declination (°)</b> | <b>Dip Angle (°)</b> | <b>Field Strength (nT)</b> |
|                  | BGGM2018          | 2/18/2020          | 6.82                   | 59.74                | 47,558.69155216            |

|                          |                              |                   |                   |                      |      |
|--------------------------|------------------------------|-------------------|-------------------|----------------------|------|
| <b>Design</b>            | Surveys (Nabors 894)         |                   |                   |                      |      |
| <b>Audit Notes:</b>      |                              |                   |                   |                      |      |
| <b>Version:</b>          | 1.0                          | <b>Phase:</b>     | ACTUAL            | <b>Tie On Depth:</b> | 0.00 |
| <b>Vertical Section:</b> | <b>Depth From (TVD) (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Direction (°)</b> |      |
|                          | 0.00                         | 0.00              | 0.00              | 180.16               |      |

|                       |                |                                  |                  |                                                |  |
|-----------------------|----------------|----------------------------------|------------------|------------------------------------------------|--|
| <b>Survey Program</b> | <b>Date</b>    | 5/15/2020                        |                  |                                                |  |
| <b>From (ft)</b>      | <b>To (ft)</b> | <b>Survey (Wellbore)</b>         | <b>Tool Name</b> | <b>Description</b>                             |  |
| 72.57                 | 1,075.00       | VES - Gyro Surveys (OH / 65857)  | GOOD GYRO        | GOOD GYRO                                      |  |
| 1,075.00              | 22,070.00      | Phoenix MWD Surveys (OH / 65857) | MWD+IFR1+MS_CoP  | Fixed:v2:Eagleford, crustal dec + 3-axis corr. |  |

|                                 |                        |                    |                            |                   |                   |                              |                              |                             |                            |
|---------------------------------|------------------------|--------------------|----------------------------|-------------------|-------------------|------------------------------|------------------------------|-----------------------------|----------------------------|
| <b>Survey</b>                   |                        |                    |                            |                   |                   |                              |                              |                             |                            |
| <b>Measured Depth (ft)</b>      | <b>Inclination (°)</b> | <b>Azimuth (°)</b> | <b>Vertical Depth (ft)</b> | <b>+N/-S (ft)</b> | <b>+E/-W (ft)</b> | <b>Vertical Section (ft)</b> | <b>Dogleg Rate (°/100ft)</b> | <b>Build Rate (°/100ft)</b> | <b>Turn Rate (°/100ft)</b> |
| 1,075.00                        | 0.95                   | 209.98             | 1,074.92                   | -10.85            | 3.81              | 10.84                        | 0.00                         | 0.00                        | 0.00                       |
| <b>Tie In</b>                   |                        |                    |                            |                   |                   |                              |                              |                             |                            |
| 1,223.00                        | 1.32                   | 240.45             | 1,222.89                   | -12.75            | 1.71              | 12.75                        | 0.47                         | 0.25                        | 20.59                      |
| <b>First Phoenix MWD Survey</b> |                        |                    |                            |                   |                   |                              |                              |                             |                            |
| 1,314.00                        | 1.51                   | 246.86             | 1,313.86                   | -13.74            | -0.30             | 13.74                        | 0.27                         | 0.21                        | 7.04                       |
| 1,405.00                        | 0.54                   | 74.10              | 1,404.85                   | -14.10            | -0.99             | 14.10                        | 2.25                         | -1.07                       | -189.85                    |
| 1,496.00                        | 1.32                   | 66.76              | 1,495.84                   | -13.56            | 0.38              | 13.56                        | 0.87                         | 0.86                        | -8.07                      |
| 1,587.00                        | 1.45                   | 53.38              | 1,586.82                   | -12.46            | 2.27              | 12.46                        | 0.38                         | 0.14                        | -14.70                     |
| 1,677.00                        | 1.67                   | 51.53              | 1,676.78                   | -10.97            | 4.21              | 10.96                        | 0.25                         | 0.24                        | -2.06                      |

# ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |  |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|--|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |  |
| 1,767.00            | 0.35            | 72.78       | 1,766.77            | -10.07     | 5.50       | 10.06                 | 1.50                  | -1.47                | 23.61               |  |
| 1,861.00            | 0.14            | 250.79      | 1,860.77            | -10.02     | 5.67       | 10.01                 | 0.52                  | -0.22                | 189.37              |  |
| 1,955.00            | 0.16            | 242.57      | 1,954.77            | -10.12     | 5.44       | 10.11                 | 0.03                  | 0.02                 | -8.74               |  |
| 2,049.00            | 0.36            | 229.60      | 2,048.76            | -10.37     | 5.10       | 10.36                 | 0.22                  | 0.21                 | -13.80              |  |
| 2,144.00            | 0.57            | 218.67      | 2,143.76            | -10.94     | 4.58       | 10.92                 | 0.24                  | 0.22                 | -11.51              |  |
| 2,238.00            | 0.79            | 210.75      | 2,237.75            | -11.86     | 3.96       | 11.85                 | 0.25                  | 0.23                 | -8.43               |  |
| 2,332.00            | 0.82            | 207.18      | 2,331.75            | -13.01     | 3.32       | 13.00                 | 0.06                  | 0.03                 | -3.80               |  |
| 2,426.00            | 0.59            | 212.76      | 2,425.74            | -14.02     | 2.75       | 14.01                 | 0.26                  | -0.24                | 5.94                |  |
| 2,520.00            | 0.38            | 210.78      | 2,519.73            | -14.69     | 2.33       | 14.69                 | 0.22                  | -0.22                | -2.11               |  |
| 2,615.00            | 0.44            | 205.51      | 2,614.73            | -15.29     | 2.01       | 15.29                 | 0.07                  | 0.06                 | -5.55               |  |
| 2,708.00            | 0.47            | 212.20      | 2,707.73            | -15.94     | 1.65       | 15.93                 | 0.07                  | 0.03                 | 7.19                |  |
| 2,802.00            | 0.56            | 206.73      | 2,801.73            | -16.68     | 1.24       | 16.67                 | 0.11                  | 0.10                 | -5.82               |  |
| 2,896.00            | 0.53            | 197.54      | 2,895.72            | -17.50     | 0.90       | 17.50                 | 0.10                  | -0.03                | -9.78               |  |
| 2,990.00            | 0.39            | 173.44      | 2,989.72            | -18.23     | 0.81       | 18.23                 | 0.25                  | -0.15                | -25.64              |  |
| 3,084.00            | 0.48            | 184.74      | 3,083.72            | -18.94     | 0.81       | 18.94                 | 0.13                  | 0.10                 | 12.02               |  |
| 3,177.00            | 0.38            | 160.55      | 3,176.71            | -19.62     | 0.88       | 19.62                 | 0.22                  | -0.11                | -26.01              |  |
| 3,270.00            | 0.26            | 148.12      | 3,269.71            | -20.09     | 1.10       | 20.09                 | 0.15                  | -0.13                | -13.37              |  |
| 3,365.00            | 0.24            | 162.98      | 3,364.71            | -20.47     | 1.27       | 20.46                 | 0.07                  | -0.02                | 15.64               |  |
| 3,459.00            | 0.73            | 87.96       | 3,458.71            | -20.63     | 1.92       | 20.63                 | 0.75                  | 0.52                 | -79.81              |  |
| 3,553.00            | 1.12            | 77.84       | 3,552.70            | -20.42     | 3.42       | 20.41                 | 0.45                  | 0.41                 | -10.77              |  |
| 3,646.00            | 1.43            | 91.62       | 3,645.67            | -20.26     | 5.47       | 20.24                 | 0.47                  | 0.33                 | 14.82               |  |
| 3,740.00            | 0.77            | 93.93       | 3,739.65            | -20.34     | 7.27       | 20.31                 | 0.70                  | -0.70                | 2.46                |  |
| 3,835.00            | 0.32            | 116.59      | 3,834.65            | -20.50     | 8.15       | 20.47                 | 0.52                  | -0.47                | 23.85               |  |
| 3,929.00            | 0.98            | 131.71      | 3,928.64            | -21.15     | 8.98       | 21.12                 | 0.72                  | 0.70                 | 16.09               |  |
| 4,022.00            | 0.54            | 83.78       | 4,021.64            | -21.63     | 10.01      | 21.60                 | 0.79                  | -0.47                | -51.54              |  |
| 4,116.00            | 0.62            | 28.77       | 4,115.63            | -21.14     | 10.69      | 21.11                 | 0.57                  | 0.09                 | -58.52              |  |
| 4,211.00            | 0.51            | 38.39       | 4,210.63            | -20.36     | 11.20      | 20.32                 | 0.15                  | -0.12                | 10.13               |  |
| 4,305.00            | 1.11            | 347.42      | 4,304.62            | -19.14     | 11.27      | 19.11                 | 0.94                  | 0.64                 | -54.22              |  |
| 4,400.00            | 1.45            | 343.79      | 4,399.59            | -17.09     | 10.73      | 17.06                 | 0.37                  | 0.36                 | -3.82               |  |
| 4,493.00            | 1.35            | 346.42      | 4,492.57            | -14.89     | 10.14      | 14.86                 | 0.13                  | -0.11                | 2.83                |  |
| 4,587.00            | 1.39            | 346.48      | 4,586.54            | -12.71     | 9.62       | 12.68                 | 0.04                  | 0.04                 | 0.06                |  |
| 4,681.00            | 1.16            | 341.74      | 4,680.52            | -10.70     | 9.05       | 10.67                 | 0.27                  | -0.24                | -5.04               |  |
| 4,776.00            | 1.02            | 337.78      | 4,775.50            | -9.00      | 8.43       | 8.98                  | 0.17                  | -0.15                | -4.17               |  |
| 4,871.00            | 1.06            | 336.59      | 4,870.48            | -7.41      | 7.76       | 7.39                  | 0.05                  | 0.04                 | -1.25               |  |
| 4,965.00            | 1.42            | 340.83      | 4,964.46            | -5.51      | 7.04       | 5.49                  | 0.39                  | 0.38                 | 4.51                |  |
| 5,059.00            | 2.30            | 342.19      | 5,058.41            | -2.62      | 6.08       | 2.60                  | 0.94                  | 0.94                 | 1.45                |  |
| 5,153.00            | 3.28            | 344.19      | 5,152.30            | 1.77       | 4.77       | -1.78                 | 1.05                  | 1.04                 | 2.13                |  |
| 5,247.00            | 4.07            | 346.53      | 5,246.10            | 7.60       | 3.26       | -7.61                 | 0.86                  | 0.84                 | 2.49                |  |
| 5,342.00            | 5.53            | 5.53        | 5,340.77            | 15.43      | 2.91       | -15.44                | 2.25                  | 1.54                 | 20.00               |  |
| 5,436.00            | 7.11            | 348.75      | 5,434.21            | 25.65      | 2.21       | -25.66                | 2.57                  | 1.68                 | -17.85              |  |
| 5,530.00            | 8.53            | 350.08      | 5,527.33            | 38.22      | -0.12      | -38.22                | 1.52                  | 1.51                 | 1.41                |  |
| 5,625.00            | 8.88            | 350.08      | 5,621.24            | 52.39      | -2.60      | -52.38                | 0.37                  | 0.37                 | 0.00                |  |
| 5,719.00            | 8.45            | 349.43      | 5,714.16            | 66.32      | -5.12      | -66.31                | 0.47                  | -0.46                | -0.69               |  |

## ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 5,814.00            | 8.35            | 349.42      | 5,808.15            | 79.96      | -7.66      | -79.94                | 0.11                  | -0.11                | -0.01               |
| 5,908.00            | 8.05            | 349.25      | 5,901.18            | 93.14      | -10.14     | -93.11                | 0.32                  | -0.32                | -0.18               |
| 6,002.00            | 8.00            | 350.30      | 5,994.26            | 106.05     | -12.47     | -106.02               | 0.16                  | -0.05                | 1.12                |
| 6,096.00            | 7.66            | 350.18      | 6,087.39            | 118.67     | -14.64     | -118.63               | 0.36                  | -0.36                | -0.13               |
| 6,189.00            | 7.37            | 348.83      | 6,179.59            | 130.63     | -16.86     | -130.59               | 0.37                  | -0.31                | -1.45               |
| 6,283.00            | 8.13            | 350.31      | 6,272.73            | 143.10     | -19.14     | -143.05               | 0.84                  | 0.81                 | 1.57                |
| 6,377.00            | 8.43            | 353.07      | 6,365.75            | 156.49     | -21.09     | -156.43               | 0.53                  | 0.32                 | 2.94                |
| 6,471.00            | 8.29            | 353.12      | 6,458.75            | 170.06     | -22.74     | -170.00               | 0.15                  | -0.15                | 0.05                |
| 6,566.00            | 7.98            | 352.02      | 6,552.79            | 183.39     | -24.47     | -183.32               | 0.37                  | -0.33                | -1.16               |
| 6,660.00            | 8.49            | 353.51      | 6,645.83            | 196.75     | -26.16     | -196.67               | 0.59                  | 0.54                 | 1.59                |
| 6,754.00            | 8.43            | 355.31      | 6,738.80            | 210.51     | -27.51     | -210.43               | 0.29                  | -0.06                | 1.91                |
| 6,848.00            | 7.99            | 354.29      | 6,831.84            | 223.88     | -28.72     | -223.79               | 0.49                  | -0.47                | -1.09               |
| 6,943.00            | 8.56            | 354.50      | 6,925.85            | 237.48     | -30.06     | -237.40               | 0.60                  | 0.60                 | 0.22                |
| 7,036.00            | 8.85            | 352.67      | 7,017.78            | 251.47     | -31.63     | -251.38               | 0.43                  | 0.31                 | -1.97               |
| 7,130.00            | 8.35            | 353.61      | 7,110.72            | 265.42     | -33.32     | -265.33               | 0.55                  | -0.53                | 1.00                |
| 7,224.00            | 7.86            | 352.85      | 7,203.78            | 278.58     | -34.88     | -278.48               | 0.53                  | -0.52                | -0.81               |
| 7,317.00            | 7.30            | 351.87      | 7,295.97            | 290.74     | -36.50     | -290.64               | 0.62                  | -0.60                | -1.05               |
| 7,411.00            | 6.33            | 348.84      | 7,389.30            | 301.74     | -38.35     | -301.63               | 1.10                  | -1.03                | -3.22               |
| 7,505.00            | 5.89            | 348.60      | 7,482.77            | 311.55     | -40.31     | -311.44               | 0.47                  | -0.47                | -0.26               |
| 7,599.00            | 5.14            | 349.04      | 7,576.33            | 320.41     | -42.06     | -320.29               | 0.80                  | -0.80                | 0.47                |
| 7,693.00            | 4.44            | 351.39      | 7,670.01            | 328.14     | -43.41     | -328.02               | 0.77                  | -0.74                | 2.50                |
| 7,786.00            | 3.08            | 350.05      | 7,762.80            | 334.16     | -44.38     | -334.04               | 1.47                  | -1.46                | -1.44               |
| 7,879.00            | 2.42            | 347.31      | 7,855.70            | 338.54     | -45.24     | -338.41               | 0.72                  | -0.71                | -2.95               |
| 7,973.00            | 2.39            | 348.12      | 7,949.61            | 342.39     | -46.08     | -342.26               | 0.05                  | -0.03                | 0.86                |
| 8,067.00            | 0.98            | 1.32        | 8,043.57            | 345.12     | -46.46     | -344.99               | 1.55                  | -1.50                | 14.04               |
| 8,161.00            | 0.51            | 119.25      | 8,137.56            | 345.72     | -46.08     | -345.59               | 1.38                  | -0.50                | 125.46              |
| 8,255.00            | 0.42            | 142.38      | 8,231.56            | 345.24     | -45.51     | -345.11               | 0.22                  | -0.10                | 24.61               |
| 8,349.00            | 0.39            | 160.32      | 8,325.56            | 344.66     | -45.19     | -344.54               | 0.14                  | -0.03                | 19.09               |
| 8,442.00            | 0.54            | 152.79      | 8,418.56            | 343.98     | -44.88     | -343.85               | 0.17                  | 0.16                 | -8.10               |
| 8,536.00            | 0.86            | 149.99      | 8,512.55            | 342.97     | -44.33     | -342.85               | 0.34                  | 0.34                 | -2.98               |
| 8,630.00            | 0.65            | 166.20      | 8,606.54            | 341.84     | -43.85     | -341.72               | 0.32                  | -0.22                | 17.24               |
| 8,725.00            | 0.59            | 145.27      | 8,701.54            | 340.92     | -43.44     | -340.80               | 0.25                  | -0.06                | -22.03              |
| 8,819.00            | 0.98            | 155.56      | 8,795.53            | 339.79     | -42.83     | -339.67               | 0.44                  | 0.41                 | 10.95               |
| 8,913.00            | 1.33            | 135.39      | 8,889.51            | 338.28     | -41.73     | -338.16               | 0.57                  | 0.37                 | -21.46              |
| 9,007.00            | 1.42            | 141.25      | 8,983.48            | 336.59     | -40.24     | -336.48               | 0.18                  | 0.10                 | 6.23                |
| 9,101.00            | 0.89            | 192.18      | 9,077.46            | 334.97     | -39.66     | -334.86               | 1.17                  | -0.56                | 54.18               |
| 9,195.00            | 0.32            | 209.64      | 9,171.46            | 334.03     | -39.94     | -333.92               | 0.63                  | -0.61                | 18.57               |
| 9,288.00            | 0.19            | 306.92      | 9,264.46            | 333.90     | -40.20     | -333.78               | 0.42                  | -0.14                | 104.60              |
| 9,383.00            | 0.30            | 8.75        | 9,359.46            | 334.24     | -40.28     | -334.12               | 0.28                  | 0.12                 | 65.08               |
| 9,477.00            | 0.34            | 28.58       | 9,453.46            | 334.73     | -40.11     | -334.61               | 0.12                  | 0.04                 | 21.10               |
| 9,572.00            | 0.34            | 20.48       | 9,548.45            | 335.24     | -39.88     | -335.13               | 0.05                  | 0.00                 | -8.53               |
| 9,666.00            | 0.52            | 20.54       | 9,642.45            | 335.90     | -39.63     | -335.79               | 0.19                  | 0.19                 | 0.06                |



## ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 9,760.00            | 0.68            | 358.31      | 9,736.45            | 336.86     | -39.50     | -336.74               | 0.30                  | 0.17                 | -23.65              |
| 9,855.00            | 0.42            | 136.32      | 9,831.44            | 337.17     | -39.28     | -337.06               | 1.09                  | -0.27                | 145.27              |
| 9,949.00            | 0.48            | 227.70      | 9,925.44            | 336.65     | -39.33     | -336.54               | 0.69                  | 0.06                 | 97.21               |
| 10,044.00           | 0.73            | 223.42      | 10,020.44           | 335.95     | -40.04     | -335.83               | 0.27                  | 0.26                 | -4.51               |
| 10,138.00           | 0.42            | 136.32      | 10,114.43           | 335.26     | -40.21     | -335.15               | 0.88                  | -0.33                | -92.66              |
| 10,233.00           | 1.64            | 241.23      | 10,209.42           | 334.36     | -41.16     | -334.24               | 1.89                  | 1.28                 | 110.43              |
| 10,327.00           | 2.98            | 238.35      | 10,303.34           | 332.43     | -44.42     | -332.30               | 1.43                  | 1.43                 | -3.06               |
| 10,419.00           | 3.32            | 245.51      | 10,395.20           | 330.07     | -48.88     | -329.93               | 0.56                  | 0.37                 | 7.78                |
| 10,513.00           | 3.48            | 259.26      | 10,489.04           | 328.41     | -54.16     | -328.25               | 0.88                  | 0.17                 | 14.63               |
| 10,608.00           | 2.37            | 277.01      | 10,583.92           | 328.11     | -58.95     | -327.94               | 1.49                  | -1.17                | 18.68               |
| 10,702.00           | 1.54            | 297.56      | 10,677.86           | 328.93     | -61.99     | -328.76               | 1.14                  | -0.88                | 21.86               |
| 10,796.00           | 1.52            | 329.87      | 10,771.83           | 330.59     | -63.74     | -330.41               | 0.91                  | -0.02                | 34.37               |
| 10,890.00           | 1.08            | 328.91      | 10,865.81           | 332.43     | -64.82     | -332.25               | 0.47                  | -0.47                | -1.02               |
| 10,984.00           | 0.84            | 303.59      | 10,959.79           | 333.57     | -65.86     | -333.39               | 0.51                  | -0.26                | -26.94              |
| 11,063.00           | 1.93            | 249.73      | 11,038.77           | 333.43     | -67.59     | -333.24               | 2.01                  | 1.38                 | -68.18              |
| 11,095.00           | 3.04            | 230.37      | 11,070.74           | 332.70     | -68.74     | -332.51               | 4.30                  | 3.47                 | -60.50              |
| 11,126.00           | 5.24            | 224.74      | 11,101.66           | 331.17     | -70.37     | -330.97               | 7.21                  | 7.10                 | -18.16              |
| 11,157.00           | 7.32            | 219.52      | 11,132.47           | 328.64     | -72.63     | -328.44               | 6.95                  | 6.71                 | -16.84              |
| 11,189.00           | 9.85            | 216.49      | 11,164.11           | 324.87     | -75.55     | -324.66               | 8.03                  | 7.91                 | -9.47               |
| 11,220.00           | 12.19           | 211.72      | 11,194.54           | 319.95     | -78.85     | -319.73               | 8.09                  | 7.55                 | -15.39              |
| 11,251.00           | 14.81           | 207.86      | 11,224.68           | 313.66     | -82.42     | -313.43               | 8.93                  | 8.45                 | -12.45              |
| 11,283.00           | 16.72           | 203.17      | 11,255.47           | 305.82     | -86.15     | -305.57               | 7.17                  | 5.97                 | -14.66              |
| 11,314.00           | 18.75           | 197.06      | 11,285.00           | 296.95     | -89.36     | -296.70               | 8.88                  | 6.55                 | -19.71              |
| 11,346.00           | 20.45           | 189.87      | 11,315.15           | 286.52     | -91.83     | -286.27               | 9.21                  | 5.31                 | -22.47              |
| 11,377.00           | 22.60           | 183.96      | 11,343.99           | 275.24     | -93.17     | -274.98               | 9.84                  | 6.94                 | -19.06              |
| 11,409.00           | 25.44           | 178.38      | 11,373.22           | 262.24     | -93.40     | -261.97               | 11.36                 | 8.88                 | -17.44              |
| 11,440.00           | 28.25           | 175.35      | 11,400.88           | 248.26     | -92.62     | -248.00               | 10.08                 | 9.06                 | -9.77               |
| 11,472.00           | 30.64           | 175.19      | 11,428.74           | 232.59     | -91.32     | -232.33               | 7.47                  | 7.47                 | -0.50               |
| 11,503.00           | 32.99           | 175.47      | 11,455.08           | 216.30     | -89.99     | -216.05               | 7.60                  | 7.58                 | 0.90                |
| 11,534.00           | 35.36           | 176.59      | 11,480.73           | 198.93     | -88.79     | -198.68               | 7.91                  | 7.65                 | 3.61                |
| 11,558.00           | 37.22           | 177.07      | 11,500.07           | 184.75     | -88.01     | -184.50               | 7.84                  | 7.75                 | 2.00                |
| 11,631.00           | 43.37           | 178.69      | 11,555.73           | 137.59     | -86.30     | -137.35               | 8.55                  | 8.42                 | 2.22                |
| 11,674.00           | 47.93           | 178.08      | 11,585.78           | 106.87     | -85.43     | -106.63               | 10.65                 | 10.60                | -1.42               |
| 11,721.00           | 50.40           | 177.89      | 11,616.51           | 71.33      | -84.18     | -71.10                | 5.26                  | 5.26                 | -0.40               |
| 11,765.00           | 51.42           | 180.75      | 11,644.25           | 37.19      | -83.78     | -36.96                | 5.55                  | 2.32                 | 6.50                |
| 11,812.00           | 52.56           | 181.39      | 11,673.20           | 0.17       | -84.47     | 0.07                  | 2.65                  | 2.43                 | 1.36                |
| 11,855.00           | 53.88           | 181.92      | 11,698.94           | -34.26     | -85.47     | 34.50                 | 3.22                  | 3.07                 | 1.23                |
| 11,902.00           | 57.73           | 182.71      | 11,725.35           | -73.09     | -87.05     | 73.34                 | 8.31                  | 8.19                 | 1.68                |
| 11,946.00           | 59.57           | 184.36      | 11,748.24           | -110.60    | -89.37     | 110.84                | 5.27                  | 4.18                 | 3.75                |
| 11,993.00           | 61.79           | 185.20      | 11,771.26           | -151.43    | -92.79     | 151.69                | 4.97                  | 4.72                 | 1.79                |
| 12,037.00           | 63.56           | 184.81      | 11,791.45           | -190.37    | -96.20     | 190.64                | 4.10                  | 4.02                 | -0.89               |
| 12,059.00           | 64.40           | 184.34      | 11,801.11           | -210.08    | -97.77     | 210.35                | 4.27                  | 3.82                 | -2.14               |
| 12,126.00           | 70.01           | 183.48      | 11,827.05           | -271.67    | -101.97    | 271.96                | 8.46                  | 8.37                 | -1.28               |

## ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 12,157.00           | 75.63           | 184.20      | 11,836.21           | -301.21    | -103.96    | 301.50                | 18.26                 | 18.13                | 2.32                |
| 12,219.00           | 84.77           | 184.99      | 11,846.75           | -362.05    | -108.85    | 362.35                | 14.80                 | 14.74                | 1.27                |
| 12,252.00           | 86.05           | 185.46      | 11,849.39           | -394.80    | -111.85    | 395.11                | 4.13                  | 3.88                 | 1.42                |
| 12,346.00           | 88.19           | 180.25      | 11,854.12           | -488.53    | -116.52    | 488.85                | 5.99                  | 2.28                 | -5.54               |
| 12,439.00           | 88.37           | 180.29      | 11,856.91           | -581.49    | -116.96    | 581.81                | 0.20                  | 0.19                 | 0.04                |
| 12,533.00           | 91.04           | 180.55      | 11,857.39           | -675.47    | -117.65    | 675.80                | 2.85                  | 2.84                 | 0.28                |
| 12,626.00           | 90.90           | 180.31      | 11,855.82           | -768.46    | -118.34    | 768.79                | 0.30                  | -0.15                | -0.26               |
| 12,721.00           | 90.61           | 179.96      | 11,854.57           | -863.45    | -118.57    | 863.78                | 0.48                  | -0.31                | -0.37               |
| 12,814.00           | 91.98           | 179.84      | 11,852.46           | -956.42    | -118.41    | 956.75                | 1.48                  | 1.47                 | -0.13               |
| 12,909.00           | 92.03           | 179.31      | 11,849.14           | -1,051.36  | -117.70    | 1,051.69              | 0.56                  | 0.05                 | -0.56               |
| 13,003.00           | 91.76           | 179.31      | 11,846.03           | -1,145.30  | -116.57    | 1,145.62              | 0.29                  | -0.29                | 0.00                |
| 13,098.00           | 90.36           | 179.21      | 11,844.27           | -1,240.28  | -115.34    | 1,240.59              | 1.48                  | -1.47                | -0.11               |
| 13,192.00           | 89.68           | 179.19      | 11,844.24           | -1,334.27  | -114.03    | 1,334.58              | 0.72                  | -0.72                | -0.02               |
| 13,286.00           | 91.49           | 178.91      | 11,843.28           | -1,428.25  | -112.47    | 1,428.55              | 1.95                  | 1.93                 | -0.30               |
| 13,380.00           | 93.33           | 179.31      | 11,839.33           | -1,522.15  | -111.01    | 1,522.45              | 2.00                  | 1.96                 | 0.43                |
| 13,475.00           | 93.80           | 179.79      | 11,833.42           | -1,616.96  | -110.27    | 1,617.26              | 0.71                  | 0.49                 | 0.51                |
| 13,568.00           | 91.06           | 179.39      | 11,829.48           | -1,709.86  | -109.60    | 1,710.16              | 2.98                  | -2.95                | -0.43               |
| 13,663.00           | 91.56           | 179.98      | 11,827.31           | -1,804.84  | -109.08    | 1,805.13              | 0.81                  | 0.53                 | 0.62                |
| 13,756.00           | 90.84           | 181.06      | 11,825.36           | -1,897.81  | -109.92    | 1,898.11              | 1.40                  | -0.77                | 1.16                |
| 13,850.00           | 90.05           | 181.34      | 11,824.63           | -1,991.79  | -111.89    | 1,992.09              | 0.89                  | -0.84                | 0.30                |
| 13,944.00           | 88.90           | 181.22      | 11,825.49           | -2,085.76  | -113.99    | 2,086.07              | 1.23                  | -1.22                | -0.13               |
| 14,039.00           | 88.78           | 180.55      | 11,827.41           | -2,180.73  | -115.46    | 2,181.04              | 0.72                  | -0.13                | -0.71               |
| 14,133.00           | 90.56           | 182.30      | 11,827.96           | -2,274.69  | -117.80    | 2,275.01              | 2.66                  | 1.89                 | 1.86                |
| 14,227.00           | 92.03           | 182.92      | 11,825.83           | -2,368.56  | -122.08    | 2,368.90              | 1.70                  | 1.56                 | 0.66                |
| 14,320.00           | 90.13           | 181.51      | 11,824.08           | -2,461.47  | -125.67    | 2,461.81              | 2.54                  | -2.04                | -1.52               |
| 14,414.00           | 88.10           | 180.81      | 11,825.53           | -2,555.44  | -127.57    | 2,555.78              | 2.28                  | -2.16                | -0.74               |
| 14,508.00           | 89.07           | 179.27      | 11,827.85           | -2,649.40  | -127.64    | 2,649.75              | 1.94                  | 1.03                 | -1.64               |
| 14,601.00           | 88.73           | 178.72      | 11,829.64           | -2,742.37  | -126.01    | 2,742.71              | 0.70                  | -0.37                | -0.59               |
| 14,694.00           | 88.93           | 178.69      | 11,831.54           | -2,835.33  | -123.91    | 2,835.66              | 0.22                  | 0.22                 | -0.03               |
| 14,788.00           | 90.38           | 178.13      | 11,832.10           | -2,929.29  | -121.30    | 2,929.61              | 1.65                  | 1.54                 | -0.60               |
| 14,883.00           | 90.41           | 178.40      | 11,831.45           | -3,024.24  | -118.42    | 3,024.56              | 0.29                  | 0.03                 | 0.28                |
| 14,978.00           | 90.27           | 179.23      | 11,830.88           | -3,119.22  | -116.46    | 3,119.53              | 0.89                  | -0.15                | 0.87                |
| 15,072.00           | 90.01           | 177.61      | 11,830.65           | -3,213.18  | -113.87    | 3,213.48              | 1.75                  | -0.28                | -1.72               |
| 15,166.00           | 89.70           | 177.30      | 11,830.89           | -3,307.09  | -109.69    | 3,307.38              | 0.47                  | -0.33                | -0.33               |
| 15,260.00           | 91.38           | 177.75      | 11,830.00           | -3,400.99  | -105.63    | 3,401.27              | 1.85                  | 1.79                 | 0.48                |
| 15,354.00           | 89.85           | 177.51      | 11,829.00           | -3,494.90  | -101.75    | 3,495.17              | 1.65                  | -1.63                | -0.26               |
| 15,448.00           | 92.46           | 178.37      | 11,827.10           | -3,588.81  | -98.37     | 3,589.07              | 2.92                  | 2.78                 | 0.91                |
| 15,543.00           | 93.10           | 178.54      | 11,822.49           | -3,683.67  | -95.81     | 3,683.92              | 0.70                  | 0.67                 | 0.18                |
| 15,637.00           | 91.65           | 177.98      | 11,818.60           | -3,777.54  | -92.96     | 3,777.78              | 1.65                  | -1.54                | -0.60               |
| 15,731.00           | 91.58           | 178.28      | 11,815.95           | -3,871.45  | -89.89     | 3,871.69              | 0.33                  | -0.07                | 0.32                |
| 15,825.00           | 90.67           | 178.48      | 11,814.10           | -3,965.39  | -87.23     | 3,965.62              | 0.99                  | -0.97                | 0.21                |
| 15,919.00           | 90.79           | 178.75      | 11,812.91           | -4,059.36  | -84.96     | 4,059.58              | 0.31                  | 0.13                 | 0.29                |



## ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Survey              |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft) | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 16,013.00           | 91.06           | 179.14      | 11,811.39           | -4,153.33  | -83.23     | 4,153.55              | 0.50                  | 0.29                 | 0.41                |
| 16,108.00           | 91.33           | 179.08      | 11,809.41           | -4,248.30  | -81.76     | 4,248.51              | 0.29                  | 0.28                 | -0.06               |
| 16,202.00           | 91.02           | 179.04      | 11,807.48           | -4,342.27  | -80.21     | 4,342.47              | 0.33                  | -0.33                | -0.04               |
| 16,296.00           | 89.48           | 177.85      | 11,807.07           | -4,436.23  | -77.66     | 4,436.43              | 2.07                  | -1.64                | -1.27               |
| 16,389.00           | 89.36           | 177.65      | 11,808.01           | -4,529.15  | -74.01     | 4,529.34              | 0.25                  | -0.13                | -0.22               |
| 16,483.00           | 89.18           | 177.00      | 11,809.21           | -4,623.04  | -69.63     | 4,623.22              | 0.72                  | -0.19                | -0.69               |
| 16,577.00           | 92.69           | 179.40      | 11,807.67           | -4,716.96  | -66.67     | 4,717.13              | 4.52                  | 3.73                 | 2.55                |
| 16,672.00           | 94.71           | 179.91      | 11,801.54           | -4,811.75  | -66.10     | 4,811.92              | 2.19                  | 2.13                 | 0.54                |
| 16,766.00           | 92.84           | 181.47      | 11,795.36           | -4,905.54  | -67.23     | 4,905.70              | 2.59                  | -1.99                | 1.66                |
| 16,860.00           | 90.82           | 180.89      | 11,792.35           | -4,999.46  | -69.17     | 4,999.64              | 2.24                  | -2.15                | -0.62               |
| 16,955.00           | 88.31           | 180.21      | 11,793.08           | -5,094.45  | -70.08     | 5,094.62              | 2.74                  | -2.64                | -0.72               |
| 17,049.00           | 88.84           | 180.71      | 11,795.41           | -5,188.41  | -70.83     | 5,188.59              | 0.78                  | 0.56                 | 0.53                |
| 17,142.00           | 89.73           | 181.19      | 11,796.57           | -5,281.39  | -72.38     | 5,281.58              | 1.09                  | 0.96                 | 0.52                |
| 17,237.00           | 89.39           | 180.87      | 11,797.30           | -5,376.38  | -74.08     | 5,376.56              | 0.49                  | -0.36                | -0.34               |
| 17,331.00           | 89.58           | 180.86      | 11,798.15           | -5,470.36  | -75.50     | 5,470.55              | 0.20                  | 0.20                 | -0.01               |
| 17,425.00           | 89.27           | 180.97      | 11,799.09           | -5,564.34  | -77.00     | 5,564.54              | 0.35                  | -0.33                | 0.12                |
| 17,519.00           | 87.25           | 180.31      | 11,801.95           | -5,658.29  | -78.05     | 5,658.49              | 2.26                  | -2.15                | -0.70               |
| 17,613.00           | 91.09           | 179.68      | 11,803.31           | -5,752.26  | -78.04     | 5,752.46              | 4.14                  | 4.09                 | -0.67               |
| 17,706.00           | 91.24           | 179.15      | 11,801.42           | -5,845.24  | -77.10     | 5,845.43              | 0.59                  | 0.16                 | -0.57               |
| 17,800.00           | 90.96           | 179.42      | 11,799.61           | -5,939.21  | -75.92     | 5,939.40              | 0.41                  | -0.30                | 0.29                |
| 17,895.00           | 91.87           | 179.83      | 11,797.27           | -6,034.18  | -75.30     | 6,034.37              | 1.05                  | 0.96                 | 0.43                |
| 17,989.00           | 91.33           | 179.39      | 11,794.64           | -6,128.14  | -74.66     | 6,128.32              | 0.74                  | -0.57                | -0.47               |
| 18,082.00           | 90.41           | 179.20      | 11,793.23           | -6,221.12  | -73.52     | 6,221.30              | 1.01                  | -0.99                | -0.20               |
| 18,176.00           | 89.84           | 178.86      | 11,793.02           | -6,315.11  | -71.93     | 6,315.28              | 0.71                  | -0.61                | -0.36               |
| 18,271.00           | 89.12           | 179.06      | 11,793.89           | -6,410.09  | -70.20     | 6,410.26              | 0.79                  | -0.76                | 0.21                |
| 18,365.00           | 91.10           | 179.46      | 11,793.71           | -6,504.07  | -68.99     | 6,504.24              | 2.15                  | 2.11                 | 0.43                |
| 18,460.00           | 90.05           | 178.92      | 11,792.75           | -6,599.06  | -67.64     | 6,599.22              | 1.24                  | -1.11                | -0.57               |
| 18,554.00           | 90.75           | 178.70      | 11,792.10           | -6,693.04  | -65.69     | 6,693.19              | 0.78                  | 0.74                 | -0.23               |
| 18,645.00           | 91.16           | 177.11      | 11,790.58           | -6,783.96  | -62.37     | 6,784.11              | 1.80                  | 0.45                 | -1.75               |
| 18,740.00           | 91.47           | 179.68      | 11,788.40           | -6,878.89  | -59.71     | 6,879.03              | 2.72                  | 0.33                 | 2.71                |
| 18,834.00           | 92.08           | 179.81      | 11,785.49           | -6,972.84  | -59.29     | 6,972.98              | 0.66                  | 0.65                 | 0.14                |
| 18,929.00           | 92.21           | 180.09      | 11,781.93           | -7,067.77  | -59.21     | 7,067.91              | 0.32                  | 0.14                 | 0.29                |
| 19,022.00           | 92.42           | 180.16      | 11,778.17           | -7,160.70  | -59.41     | 7,160.84              | 0.24                  | 0.23                 | 0.08                |
| 19,116.00           | 90.30           | 180.11      | 11,775.94           | -7,254.67  | -59.63     | 7,254.80              | 2.26                  | -2.26                | -0.05               |
| 19,210.00           | 90.47           | 180.53      | 11,775.31           | -7,348.66  | -60.15     | 7,348.80              | 0.48                  | 0.18                 | 0.45                |
| 19,303.00           | 90.70           | 180.54      | 11,774.36           | -7,441.65  | -61.02     | 7,441.80              | 0.25                  | 0.25                 | 0.01                |
| 19,397.00           | 89.33           | 177.77      | 11,774.34           | -7,535.63  | -59.64     | 7,535.77              | 3.29                  | -1.46                | -2.95               |
| 19,491.00           | 88.99           | 177.84      | 11,775.72           | -7,629.55  | -56.04     | 7,629.68              | 0.37                  | -0.36                | 0.07                |
| 19,586.00           | 90.05           | 179.40      | 11,776.51           | -7,724.52  | -53.75     | 7,724.64              | 1.99                  | 1.12                 | 1.64                |
| 19,680.00           | 89.98           | 179.39      | 11,776.49           | -7,818.51  | -52.76     | 7,818.63              | 0.08                  | -0.07                | -0.01               |
| 19,774.00           | 90.82           | 180.07      | 11,775.83           | -7,912.51  | -52.31     | 7,912.62              | 1.15                  | 0.89                 | 0.72                |
| 19,867.00           | 92.10           | 180.64      | 11,773.46           | -8,005.47  | -52.89     | 8,005.59              | 1.51                  | 1.38                 | 0.61                |
| 19,961.00           | 90.45           | 180.43      | 11,771.37           | -8,099.44  | -53.77     | 8,099.56              | 1.77                  | -1.76                | -0.22               |

# ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Survey                          |                 |             |                     |            |            |                       |                       |                      |                     |
|---------------------------------|-----------------|-------------|---------------------|------------|------------|-----------------------|-----------------------|----------------------|---------------------|
| Measured Depth (ft)             | Inclination (°) | Azimuth (°) | Vertical Depth (ft) | +N/-S (ft) | +E/-W (ft) | Vertical Section (ft) | Dogleg Rate (°/100ft) | Build Rate (°/100ft) | Turn Rate (°/100ft) |
| 20,055.00                       | 89.92           | 181.06      | 11,771.07           | -8,193.43  | -54.99     | 8,193.56              | 0.88                  | -0.56                | 0.67                |
| 20,150.00                       | 89.42           | 178.95      | 11,771.61           | -8,288.43  | -55.00     | 8,288.55              | 2.28                  | -0.53                | -2.22               |
| 20,243.00                       | 89.67           | 176.59      | 11,772.35           | -8,381.35  | -51.38     | 8,381.46              | 2.55                  | 0.27                 | -2.54               |
| 20,337.00                       | 91.67           | 179.57      | 11,771.25           | -8,475.27  | -48.23     | 8,475.37              | 3.82                  | 2.13                 | 3.17                |
| 20,432.00                       | 90.36           | 178.95      | 11,769.57           | -8,570.25  | -47.00     | 8,570.34              | 1.53                  | -1.38                | -0.65               |
| 20,524.00                       | 89.92           | 178.53      | 11,769.34           | -8,662.22  | -44.98     | 8,662.32              | 0.66                  | -0.48                | -0.46               |
| 20,618.00                       | 91.88           | 180.15      | 11,767.87           | -8,756.20  | -43.90     | 8,756.29              | 2.70                  | 2.09                 | 1.72                |
| 20,712.00                       | 90.13           | 178.92      | 11,766.22           | -8,850.17  | -43.13     | 8,850.26              | 2.28                  | -1.86                | -1.31               |
| 20,807.00                       | 88.42           | 178.64      | 11,767.42           | -8,945.14  | -41.11     | 8,945.22              | 1.82                  | -1.80                | -0.29               |
| 20,900.00                       | 88.12           | 177.78      | 11,770.23           | -9,038.05  | -38.21     | 9,038.12              | 0.98                  | -0.32                | -0.92               |
| 20,995.00                       | 90.95           | 178.94      | 11,771.00           | -9,133.00  | -35.49     | 9,133.06              | 3.22                  | 2.98                 | 1.22                |
| 21,089.00                       | 89.25           | 177.87      | 11,770.84           | -9,226.96  | -32.87     | 9,227.01              | 2.14                  | -1.81                | -1.14               |
| 21,182.00                       | 90.99           | 179.68      | 11,770.64           | -9,319.93  | -30.89     | 9,319.98              | 2.70                  | 1.87                 | 1.95                |
| 21,276.00                       | 90.79           | 179.34      | 11,769.18           | -9,413.91  | -30.08     | 9,413.96              | 0.42                  | -0.21                | -0.36               |
| 21,371.00                       | 89.62           | 177.95      | 11,768.84           | -9,508.88  | -27.84     | 9,508.92              | 1.91                  | -1.23                | -1.46               |
| 21,465.00                       | 90.47           | 180.09      | 11,768.77           | -9,602.86  | -26.23     | 9,602.90              | 2.45                  | 0.90                 | 2.28                |
| 21,559.00                       | 88.47           | 177.32      | 11,769.64           | -9,696.82  | -24.10     | 9,696.85              | 3.63                  | -2.13                | -2.95               |
| 21,652.00                       | 89.32           | 179.43      | 11,771.43           | -9,789.76  | -21.47     | 9,789.78              | 2.45                  | 0.91                 | 2.27                |
| 21,745.00                       | 91.22           | 180.90      | 11,770.99           | -9,882.75  | -21.74     | 9,882.77              | 2.58                  | 2.04                 | 1.58                |
| 21,839.00                       | 89.82           | 179.44      | 11,770.14           | -9,976.74  | -22.01     | 9,976.77              | 2.15                  | -1.49                | -1.55               |
| 21,933.00                       | 90.68           | 177.45      | 11,769.73           | -10,070.70 | -19.46     | 10,070.72             | 2.31                  | 0.91                 | -2.12               |
| 22,003.00                       | 90.35           | 176.97      | 11,769.10           | -10,140.62 | -16.06     | 10,140.62             | 0.83                  | -0.47                | -0.69               |
| <b>Final Phoenix MWD Survey</b> |                 |             |                     |            |            |                       |                       |                      |                     |
| 22,070.00                       | 90.35           | 176.97      | 11,768.69           | -10,207.52 | -12.52     | 10,207.52             | 0.00                  | 0.00                 | 0.00                |
| <b>Projection to TD</b>         |                 |             |                     |            |            |                       |                       |                      |                     |

## ConocoPhillips

## Survey Report

|                  |                                                   |                                     |                                    |
|------------------|---------------------------------------------------|-------------------------------------|------------------------------------|
| <b>Company:</b>  | ConocoPhillips MCBU - Permian-Panhandle Gold Data | <b>Local Co-ordinate Reference:</b> | Well ZIA HILLS 19 Federal Com 106H |
| <b>Project:</b>  | Planning - NM East State Zone - 3001              | <b>TVD Reference:</b>               | RKB @ 3208.70ft (Nabors 894)       |
| <b>Site:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>MD Reference:</b>                | RKB @ 3208.70ft (Nabors 894)       |
| <b>Well:</b>     | ZIA HILLS 19 Federal Com 106H                     | <b>North Reference:</b>             | Grid                               |
| <b>Wellbore:</b> | OH / 65857                                        | <b>Survey Calculation Method:</b>   | Minimum Curvature                  |
| <b>Design:</b>   | Surveys (Nabors 894)                              | <b>Database:</b>                    | EDT 15 Central Prod                |

| Design Targets                                                                                  |           |          |           |            |         |             |             |                 |                   |
|-------------------------------------------------------------------------------------------------|-----------|----------|-----------|------------|---------|-------------|-------------|-----------------|-------------------|
| Target Name                                                                                     |           |          |           |            |         |             |             |                 |                   |
| - hit/miss target                                                                               | Dip Angle | Dip Dir. | TVD       | +N/-S      | +E/-W   | Northing    | Easting     | Latitude        | Longitude         |
| - Shape                                                                                         | (°)       | (°)      | (ft)      | (ft)       | (ft)    | (usft)      | (usft)      |                 |                   |
| VT - Zia Hills 19 Fed Cor                                                                       | 0.00      | 0.01     | 7,457.00  | -50.39     | -132.57 | 374,470.110 | 689,607.110 | 32° 1' 41.004 N | 103° 43' 17.421 W |
| - survey misses target center by 369.40ft at 7443.52ft MD (7421.63 TVD, 305.21 N, -39.04 E)     |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| ZIA HILLS 19 106H_WP                                                                            | 0.00      | 0.01     | 11,040.91 | -50.39     | -132.57 | 374,470.110 | 689,607.110 | 32° 1' 41.004 N | 103° 43' 17.421 W |
| - survey misses target center by 389.16ft at 11076.23ft MD (11051.99 TVD, 333.21 N, -68.03 E)   |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| BHL - Zia Hills 19 Fed C                                                                        | 0.00      | 0.00     | 11,837.00 | -10,176.40 | -29.24  | 364,344.630 | 689,710.430 | 32° 0' 0.795 N  | 103° 43' 16.887 W |
| - survey misses target center by 69.76ft at 22037.62ft MD (11768.89 TVD, -10175.18 N, -14.23 E) |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| LTP - Zia Hills 19 Fed Cr                                                                       | 0.00      | 0.01     | 11,837.00 | -9,896.46  | -32.32  | 364,624.550 | 689,707.350 | 32° 0' 3.566 N  | 103° 43' 16.904 W |
| - survey misses target center by 67.08ft at 21758.14ft MD (11770.74 TVD, -9895.89 N, -21.92 E)  |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| FTP - Zia Hills 19 Fed Cr                                                                       | 0.00      | 0.00     | 11,838.00 | -373.43    | -129.82 | 374,147.090 | 689,609.860 | 32° 1' 37.807 N | 103° 43' 17.410 W |
| - survey misses target center by 22.19ft at 12231.50ft MD (11847.84 TVD, -374.45 N, -109.96 E)  |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| BHL v1 - Zia Hills 19 Fed                                                                       | 0.00      | 0.01     | 11,839.00 | -10,216.39 | -28.84  | 364,304.638 | 689,710.832 | 32° 0' 0.399 N  | 103° 43' 16.885 W |
| - survey misses target center by 72.72ft at 22070.00ft MD (11768.69 TVD, -10207.52 N, -12.52 E) |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| LTP v1 - Zia Hills 19 Fed                                                                       | 0.00      | 0.01     | 11,839.00 | -10,126.92 | -29.58  | 364,394.103 | 689,710.092 | 32° 0' 1.285 N  | 103° 43' 16.887 W |
| - survey misses target center by 70.96ft at 21988.03ft MD (11769.20 TVD, -10125.67 N, -16.83 E) |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |
| ZIA HILLS 19 106H_WP                                                                            | 0.00      | 0.00     | 11,840.91 | -10,176.40 | -29.24  | 364,344.630 | 689,710.430 | 32° 0' 0.795 N  | 103° 43' 16.887 W |
| - survey misses target center by 73.58ft at 22037.59ft MD (11768.89 TVD, -10175.16 N, -14.23 E) |           |          |           |            |         |             |             |                 |                   |
| - Point                                                                                         |           |          |           |            |         |             |             |                 |                   |

| Casing Points  |                |         |  |                 |               |
|----------------|----------------|---------|--|-----------------|---------------|
| Measured Depth | Vertical Depth | Name    |  | Casing Diameter | Hole Diameter |
| (ft)           | (ft)           |         |  | (")             | (")           |
| 1,154.09       | 1,154.00       | 13 3/8" |  | 13-3/8          | 17-1/2        |
| 11,600.38      | 11,533.00      | 9 5/8"  |  | 9-5/8           | 12-1/4        |
| 21,703.00      | 11,771.57      | 5 1/2"  |  | 5-1/2           | 8-1/2         |

| Survey Annotations |                |                   |            |                          |  |
|--------------------|----------------|-------------------|------------|--------------------------|--|
| Measured Depth     | Vertical Depth | Local Coordinates |            | Comment                  |  |
| (ft)               | (ft)           | +N/-S (ft)        | +E/-W (ft) |                          |  |
| 1,075.00           | 1,074.92       | -10.85            | 3.81       | Tie In                   |  |
| 1,223.00           | 1,222.89       | -12.75            | 1.71       | First Phoenix MWD Survey |  |
| 22,003.00          | 11,769.10      | -10,140.62        | -16.06     | Final Phoenix MWD Survey |  |
| 22,070.00          | 11,768.69      | -10,207.52        | -12.52     | Projection to TD         |  |

|                   |                    |             |
|-------------------|--------------------|-------------|
| Checked By: _____ | Approved By: _____ | Date: _____ |
|-------------------|--------------------|-------------|

|                                            |                                                                             |                                         |
|--------------------------------------------|-----------------------------------------------------------------------------|-----------------------------------------|
| <b>Well Name:</b> ZIA HILLS 19 FEDERAL COM | <b>Well Location:</b> T26S / R32E / SEC 19 / LOT 2 / 32.028319 / -103.72155 | <b>County or Parish/State:</b> LEA / NM |
| <b>Well Number:</b> 106H                   | <b>Type of Well:</b> OIL WELL                                               | <b>Allottee or Tribe Name:</b>          |
| <b>Lease Number:</b> NMLC062749B           | <b>Unit or CA Name:</b>                                                     | <b>Unit or CA Number:</b> NMNM138329X   |
| <b>US Well Number:</b> 300254423300X1      | <b>Well Status:</b> Approved Application for Permit to Drill                | <b>Operator:</b> CONOCOPHILLIPS COMPANY |

## Subsequent Report

**Type of Submission:** Subsequent Report

**Type of Action:** Hydraulic Fracturing

**Date Sundry Submitted: 01/28/2021**

**Time Sundry Submitted: 08:12**

**Date Operation Actually Began:** 11/03/2020

**Actual Procedure:** 11/9/20 PT PROD CSG TO 1500#/30 MINS TEST HELD 11/3/20 – 12/21/20 PERF F/12,118' - 21977'. ACIDIZE W/15% HCL ACID & 26,086,490 TOTAL PROPPANTS 12/31/20 RDMO

## Operator Certification

*I certify that the foregoing is true and correct. Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction. Electronic submission of Sundry Notices through this system satisfies regulations requiring a submission of Form 3160-5 or a Sundry Notice.*

Operator Electronic Signature: LEE

**Signed on:** JAN 28, 2021 08:12 AM

**Name:** CONOCOPHILLIPS COMPANY

**Title:** Regulatory Coordinator

**Street Address:** PO Box 2197

City: Houston

**State:** TX

**Phone:** (281) 293-1748

**Email address:**

## Field Representative

**Representative Name:**

**Street Address:**

City:

**State:**

**Zip:**

**Phone:**

**Email address:**

Received by OCD: 3/16/2021 7:09:56 AM

Page 13 of 15

|                                     |                                                                      |                                  |
|-------------------------------------|----------------------------------------------------------------------|----------------------------------|
| Well Name: ZIA HILLS 19 FEDERAL COM | Well Location: T26S / R32E / SEC 19 / LOT 2 / 32.028319 / -103.72155 | County or Parish/State: LEA / NM |
| Well Number: 106H                   | Type of Well: OIL WELL                                               | Allottee or Tribe Name:          |
| Lease Number: NMLC062749B           | Unit or CA Name:                                                     | Unit or CA Number: NMNM138329X   |
| US Well Number: 300254423300X1      | Well Status: Approved Application for Permit to Drill                | Operator: CONOCOPHILLIPS COMPANY |

BLM Point of Contact

BLM POC Name: Jonathon W Shepard

BLM POC Phone: 5752345972

Disposition: Accepted

Signature: Jonathon Shepard

BLM POC Title: Petroleum Engineer

BLM POC Email Address: jshepard@blm.gov

Disposition Date: 02/02/2021

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 16755

CONDITIONS OF APPROVAL

|                                                           |                                  |                  |                         |                        |
|-----------------------------------------------------------|----------------------------------|------------------|-------------------------|------------------------|
| Operator:<br>CONOCOPHILLIPS COMPANY<br>Office SP2-12-W156 | P.O.Box 2197<br>Houston, TX77252 | OGRID:<br>217817 | Action Number:<br>16755 | Action Type:<br>C-103T |
| OCD Reviewer<br>plmartinez                                | Condition<br>None                |                  |                         |                        |



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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS  
  
Action 20864

**CONDITIONS OF APPROVAL**

|                                                                          |  |  |  |               |                      |                     |
|--------------------------------------------------------------------------|--|--|--|---------------|----------------------|---------------------|
| Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX79701 |  |  |  | OGRID: 217817 | Action Number: 20864 | Action Type: C-104C |
| OCD Reviewer                                                             |  |  |  | Condition     |                      |                     |
| ksimmons                                                                 |  |  |  | None          |                      |                     |